

RECEIVED

JUN 23 2003

TECH CENTER 1600/2900



OIPE

RAW SEQUENCE LISTING

DATE: 06/05/2003

PATENT APPLICATION: US/09/976,472A

TIME: 11:17:52

Input Set : A:\2932-B Revised.txt

Output Set: N:\CRF4\06052003\I976472A.raw

3 <110> APPLICANT: SIMS, John E.
4 RENSHAW, Blair R.
6 <120> TITLE OF INVENTION: IL-1 ETA DNA AND POLYPEPTIDES
8 <130> FILE REFERENCE: 2932-B
10 <140> CURRENT APPLICATION NUMBER: 09/976,472A
11 <141> CURRENT FILING DATE: 2001-10-11
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/14435
14 <151> PRIOR FILING DATE: 2000-05-25
16 <150> PRIOR APPLICATION NUMBER: 60/162,331
17 <151> PRIOR FILING DATE: 1999-10-29
19 <150> PRIOR APPLICATION NUMBER: 60/135,758
20 <151> PRIOR FILING DATE: 1999-05-25
22 <160> NUMBER OF SEQ ID NOS: 9
24 <170> SOFTWARE: PatentIn version 3.2
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 585
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: CDS
34 <222> LOCATION: (112)..(585)
36 <400> SEQUENCE: 1

ENTERED

37 ggcacgaggt tctctccac tctgtcttctc tcacctctcc ttcaattttc ctgacctctc 60
39 caccaccatc tgatctatct tgttctcttc acaaaaggct ctgaagacat c atg aac 117
40 Met Asn
41 1
43 cca caa cgg gag gca gca ccc aaa tcc tat gct att cgt gat tct cga 165
44 Pro Gln Arg Glu Ala Ala Pro Lys Ser Tyr Ala Ile Arg Asp Ser Arg
45 5 10 15
47 cag atg gtg tgg gtc ctg agt gga aat tct tta ata gca gct cct ctt 213
48 Gln Met Val Trp Val Leu Ser Gly Asn Ser Leu Ile Ala Ala Pro Leu
49 20 25 30
51 agc cgc agc att aag cct gtc act ctt cat tta ata gcc tgt aga gac 261
52 Ser Arg Ser Ile Lys Pro Val Thr Leu His Leu Ile Ala Cys Arg Asp
53 35 40 45 50
55 aca gaa ttc agt gac aag gaa aag ggt aat atg gtt tac ctg gga atc 309
56 Thr Glu Phe Ser Asp Lys Glu Lys Gly Asn Met Val Tyr Leu Gly Ile
57 55 60 65
59 aag gga aaa gat ctc tgt ctc ttc tgt gca gaa att cag ggc aag cct 357
60 Lys Gly Lys Asp Leu Cys Leu Phe Cys Ala Glu Ile Gln Gly Lys Pro
61 70 75 80
63 act ttg cag ctt aag gaa aaa aat atc atg gac ctg tat gtg gag aag 405
64 Thr Leu Gln Leu Lys Glu Lys Asn Ile Met Asp Leu Tyr Val Glu Lys

RAW SEQUENCE LISTING

DATE: 06/05/2003

PATENT APPLICATION: US/09/976,472A

TIME: 11:17:52

Input Set : A:\2932-B Revised.txt

Output Set: N:\CRF4\06052003\I976472A.raw

```

65          85          90          95
67 aaa gca cag aag ccc ttt ctc ttt ttc cac aat aaa gaa ggc tcc act      453
68 Lys Ala Gln Lys Pro Phe Leu Phe Phe His Asn Lys Glu Gly Ser Thr
69      100      105      110
71 tct gtc ttt cag tca gtc tct tac cct ggc tgg ttc ata gcc acc tcc      501
72 Ser Val Phe Gln Ser Val Ser Tyr Pro Gly Trp Phe Ile Ala Thr Ser
73 115      120      125      130
75 acc aca tca gga cag ccc atc ttt ctc acc aag gag aga ggc ata act      549
76 Thr Thr Ser Gly Gln Pro Ile Phe Leu Thr Lys Glu Arg Gly Ile Thr
77      135      140      145
79 aat aac act aac ttc tac tta gat tct gtg gaa taa      585
80 Asn Asn Thr Asn Phe Tyr Leu Asp Ser Val Glu
81      150      155
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 157
86 <212> TYPE: PRT
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 2
91 Met Asn Pro Gln Arg Glu Ala Ala Pro Lys Ser Tyr Ala Ile Arg Asp
92 1      5      10      15
95 Ser Arg Gln Met Val Trp Val Leu Ser Gly Asn Ser Leu Ile Ala Ala
96      20      25      30
99 Pro Leu Ser Arg Ser Ile Lys Pro Val Thr Leu His Leu Ile Ala Cys
100      35      40      45
103 Arg Asp Thr Glu Phe Ser Asp Lys Glu Lys Gly Asn Met Val Tyr Leu
104      50      55      60
107 Gly Ile Lys Gly Lys Asp Leu Cys Leu Phe Cys Ala Glu Ile Gln Gly
108 65      70      75      80
111 Lys Pro Thr Leu Gln Leu Lys Glu Lys Asn Ile Met Asp Leu Tyr Val
112      85      90      95
115 Glu Lys Lys Ala Gln Lys Pro Phe Leu Phe Phe His Asn Lys Glu Gly
116      100      105      110
119 Ser Thr Ser Val Phe Gln Ser Val Ser Tyr Pro Gly Trp Phe Ile Ala
120      115      120      125
123 Thr Ser Thr Thr Ser Gly Gln Pro Ile Phe Leu Thr Lys Glu Arg Gly
124      130      135      140
127 Ile Thr Asn Asn Thr Asn Phe Tyr Leu Asp Ser Val Glu
128 145      150      155
131 <210> SEQ ID NO: 3
132 <211> LENGTH: 8
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: FLAG
139 <400> SEQUENCE: 3
141 Asp Tyr Lys Asp Asp Asp Asp Lys
142 1      5
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 27

```

RAW SEQUENCE LISTING

DATE: 06/05/2003

PATENT APPLICATION: US/09/976,472A

TIME: 11:17:52

Input Set : A:\2932-B Revised.txt

Output Set: N:\CRF4\06052003\I976472A.raw

```

147 <212> TYPE: PRT
148 <213> ORGANISM: artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: lung SPD leucine zipper peptide
153 <400> SEQUENCE: 4
155 Pro Asp Val Ala Ser Leu Arg Gln Gln Val Glu Ala Leu Gln Gly Gln
156 1          5          10          15
159 Val Gln His Leu Gln Ala Ala Phe Ser Gln Tyr
160          20          25
163 <210> SEQ ID NO: 5
164 <211> LENGTH: 33
165 <212> TYPE: PRT
166 <213> ORGANISM: artificial sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: leucine zipper
171 <400> SEQUENCE: 5
173 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Ile
174 1          5          10          15
177 Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu
178          20          25          30
181 Arg
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 6
191 acatcatgaa cccacaacgg gaggcagcac
194 <210> SEQ ID NO: 7
195 <211> LENGTH: 28
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 7
200 ctctatcctg gaaccagcca cccacagc
203 <210> SEQ ID NO: 8
204 <211> LENGTH: 30
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 8
209 ccaaataccta tgctattcgt gattctcgac
212 <210> SEQ ID NO: 9
213 <211> LENGTH: 29
214 <212> TYPE: DNA
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 9
218 ggatttattc cacagaatct aagtagaag

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/976,472A

DATE: 06/05/2003
TIME: 11:17:53

Input Set : A:\2932-B Revised.txt
Output Set: N:\CRF4\06052003\I976472A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY

DATE: 06/05/2003

PATENT APPLICATION: US/09/976,472A

TIME: 11:17:53

Input Set : A:\2932-B Revised.txt

Output Set: N:\CRF4\06052003\I976472A.raw